

MONTHLY eSMR SUMMARY

Expected Requirements:

M-001

| | | |
|---|-----------|-----------|
| Flow | 1 / Day | MGD |
| Electrical Conductivity @ 25 Deg. C | 1 / Day | umhos/cm |
| pH | 2 / Day | SU |
| Chlorine, Total Residual | 1 / Day | mg/L |
| Turbidity | 1 / Day | NTU |
| | | MPN/100 |
| Total Coliform | 1 / Day | mL |
| Total Organic Carbon (TOC) | 1 / Day | mg/L |
| Ammonia, Total (as N) | 1 / Week | mg/L |
| Ammonia, Total (as N) | 1 / Week | lb/day |
| Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) | 1 / Week | mg/L |
| Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) | 1 / Week | lb/day |
| Total Suspended Solids (TSS) | 1 / Week | mg/L |
| Total Suspended Solids (TSS) | 1 / Week | lb/day |
| Temperature | 1 / Week | Degrees C |
| Chronic Toxicity | 1 / Month | TUc |
| Bicarbonate Ion (as HCO3) | 1 / Month | mg/L |
| Boron, Total Recoverable | 1 / Month | mg/L |
| Calcium, Total Recoverable | 1 / Month | mg/L |
| Carbonate Ion (as CO3) | 1 / Month | mg/L |
| Chloride | 1 / Month | mg/L |
| Chloride | 1 / Month | lb/day |
| Fluoride, Total | 1 / Month | mg/L |
| Magnesium, Total Recoverable | 1 / Month | mg/L |
| Nitrate, Total (as N) | 1 / Month | mg/L |
| Sodium, Total Recoverable | 1 / Month | mg/L |
| Sodium, Total Recoverable | 1 / Month | lb/day |
| Sulfate, Total (as SO4) | 1 / Month | mg/L |
| Sulfate, Total (as SO4) | 1 / Month | lb/day |
| Total Dissolved Solids (TDS) | 1 / Month | mg/L |
| Total Dissolved Solids (TDS) | 1 / Month | lb/day |
| Hardness, Total (as CaCO3) | 1 / Month | mg/L |
| Hardness, Total (as CaCO3) | 1 / Month | lb/day |
| Nitrogen, Total Inorganic (as N) | 1 / Month | lb/day |
| Nitrogen, Total Inorganic (as N) | 1 / Month | mg/L |
| Iron, Total Recoverable | 1 / Month | ug/L |
| Manganese, Total Recoverable | 1 / Month | ug/L |
| Cadmium, Total Recoverable | 1 / Month | ug/L |
| Chromium (VI) | 1 / Month | ug/L |
| Chromium (VI) | 1 / Month | lb/day |
| Copper, Total Recoverable | 1 / Month | ug/L |

| | | |
|---|-----------|--------|
| Lead, Total Recoverable | 1 / Month | ug/L |
| Mercury, Total Recoverable | 1 / Month | ug/L |
| Nickel, Total Recoverable | 1 / Month | ug/L |
| Nickel, Total Recoverable | 1 / Month | lb/day |
| Selenium, Total Recoverable | 1 / Month | ug/L |
| Selenium, Total Recoverable | 1 / Month | lb/day |
| Silver, Total Recoverable | 1 / Month | ug/L |
| Zinc, Total Recoverable | 1 / Month | ug/L |
| gamma-BHC | 1 / Month | ug/L |
| gamma-BHC | 1 / Month | lb/day |
| BOD5 @ 20 Deg. C, Percent Removal | 1 / Month | % |
| Total Suspended Solids (TSS), Percent Removal | 1 / Month | % |

M-002

| | | |
|---|-----------|-----------|
| Flow | 1 / Day | MGD |
| Electrical Conductivity @ 25 Deg. C | 1 / Day | umhos/cm |
| pH | 2 / Day | SU |
| Chlorine, Total Residual | 1 / Day | mg/L |
| Turbidity | 1 / Day | NTU |
| | | MPN/100 |
| Total Coliform | 1 / Day | mL |
| Total Organic Carbon (TOC) | 1 / Day | mg/L |
| Ammonia, Total (as N) | 1 / Week | mg/L |
| Ammonia, Total (as N) | 1 / Week | lb/day |
| Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) | 1 / Week | mg/L |
| Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) | 1 / Week | lb/day |
| Total Suspended Solids (TSS) | 1 / Week | mg/L |
| Total Suspended Solids (TSS) | 1 / Week | lb/day |
| Temperature | 1 / Week | Degrees C |
| Chronic Toxicity | 1 / Month | TUc |
| Bicarbonate Ion (as HCO3) | 1 / Month | mg/L |
| Boron, Total Recoverable | 1 / Month | mg/L |
| Calcium, Total Recoverable | 1 / Month | mg/L |
| Carbonate Ion (as CO3) | 1 / Month | mg/L |
| Chloride | 1 / Month | mg/L |
| Chloride | 1 / Month | lb/day |
| Fluoride, Total | 1 / Month | mg/L |
| Magnesium, Total Recoverable | 1 / Month | mg/L |
| Nitrate, Total (as N) | 1 / Month | mg/L |
| Sodium, Total Recoverable | 1 / Month | mg/L |
| Sodium, Total Recoverable | 1 / Month | lb/day |
| Sulfate, Total (as SO4) | 1 / Month | mg/L |
| Sulfate, Total (as SO4) | 1 / Month | lb/day |
| Total Dissolved Solids (TDS) | 1 / Month | mg/L |
| Total Dissolved Solids (TDS) | 1 / Month | lb/day |
| Hardness, Total (as CaCO3) | 1 / Month | mg/L |
| Hardness, Total (as CaCO3) | 1 / Month | lb/day |
| Nitrogen, Total Inorganic (as N) | 1 / Month | lb/day |
| Nitrogen, Total Inorganic (as N) | 1 / Month | mg/L |

| | | |
|---|-----------|--------|
| Iron, Total Recoverable | 1 / Month | ug/L |
| Manganese, Total Recoverable | 1 / Month | ug/L |
| Cadmium, Total Recoverable | 1 / Month | ug/L |
| Chromium (VI) | 1 / Month | ug/L |
| Chromium (VI) | 1 / Month | lb/day |
| Copper, Total Recoverable | 1 / Month | ug/L |
| Lead, Total Recoverable | 1 / Month | ug/L |
| Mercury, Total Recoverable | 1 / Month | ug/L |
| Nickel, Total Recoverable | 1 / Month | ug/L |
| Nickel, Total Recoverable | 1 / Month | lb/day |
| Selenium, Total Recoverable | 1 / Month | ug/L |
| Selenium, Total Recoverable | 1 / Month | lb/day |
| Silver, Total Recoverable | 1 / Month | ug/L |
| Zinc, Total Recoverable | 1 / Month | ug/L |
| gamma-BHC | 1 / Month | ug/L |
| gamma-BHC | 1 / Month | lb/day |
| BOD5 @ 20 Deg. C, Percent Removal | 1 / Month | % |
| Total Suspended Solids (TSS), Percent Removal | 1 / Month | % |

M-INF

| | | |
|---|-----------|----------|
| Flow | 1 / Day | MGD |
| Electrical Conductivity @ 25 Deg. C | 1 / Day | umhos/cm |
| pH | 2 / Day | SU |
| Total Organic Carbon (TOC) | 1 / Day | mg/L |
| Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C) | 1 / Day | mg/L |
| Total Suspended Solids (TSS) | 1 / Day | mg/L |
| Total Dissolved Solids (TDS) | 1 / Month | mg/L |
| Ammonia, Total (as N) | 1 / Month | mg/L |
| Nitrogen, Total Inorganic (as N) | 1 / Month | mg/L |
| Chloride | 1 / Month | mg/L |
| Sodium, Total Recoverable | 1 / Month | mg/L |
| Sulfate, Total (as SO4) | 1 / Month | mg/L |
| Hardness, Total (as CaCO3) | 1 / Month | mg/L |

R-002D

| | | |
|------------------|----------|-----------|
| Dissolved Oxygen | 1 / Week | mg/L |
| Temperature | 1 / Week | Degrees C |
| pH | 1 / Week | SU |

R-002U

| | | |
|------------------|----------|-----------|
| Dissolved Oxygen | 1 / Week | mg/L |
| Temperature | 1 / Week | Degrees C |
| pH | 1 / Week | SU |

Using Narratives Tab:

M-001: Total Coliform: The average weekly concentration of total coliform bacteria measured in disinfected effluent shall not exceed 2.2 MPN/100 ml. The median shall be from monitoring results of last 7 days. (Final requirement effective null - null)[All year]

M-001: Total Coliform: The number of total coliform bacteria shall not exceed 23 MPN/100 ml in more than one sample in any calendar month. (Final requirement effective null - null)[All year]

M-001: Flow: A dilution of 20:1 or more is required for secondary wastewater to be discharged. (Final requirement effective null - null)[All year]

M-001: pH: The total time during which the pH values are outside the range of 6.5 to 8.5 s.u. shall not exceed 7 hours and 26 minutes in any calendar month. (Final requirement effective null - null)[All year]

M-001: pH: No individual excursion of pH from the range of 6.5 to 8.5 s.u. shall exceed 60 minutes. (Final requirement effective null - null)[All year]

M-001: Chlorine, Total Residual: The total time during which the total chlorine residual values are above 0.1 mg/l shall not exceed 7 hours and 26 minutes in any calendar month. (Final requirement effective null - null)[All year]

M-001: Chlorine, Total Residual: No individual total chlorine residual excursion from 0.1 mg/l shall exceed 30 minutes. (Final requirement effective null - null)[All year]

M-001: Turbidity: The turbidity of the effluent shall not exceed 5 NTU more than 5 percent of the time within any calendar day. (Final requirement effective null - null)[All year]

M-001: Turbidity: The turbidity of the effluent shall not exceed an average of 2 NTU within any calendar day. (Final requirement effective null - null)[All year]

M-002: Total Coliform: The average weekly concentration of total coliform bacteria measured in disinfected effluent shall not exceed 2.2 MPN/100 ml. The median shall be from monitoring results of last 7 days. (Final requirement effective null - null)[All year]

M-002: Total Coliform: The number of total coliform bacteria shall not exceed 23 MPN/100 ml in more than one sample in any calendar month. (Final requirement effective null - null)[All year]

M-002: Flow: A dilution of 20:1 or more is required for secondary wastewater to be discharged. (Final requirement effective null - null)[All year]

M-002: pH: The total time during which the pH values are outside the range of 6.5 to 8.5 s.u. shall not exceed 7 hours and 26 minutes in any calendar month. (Final requirement effective null - null)[All year]

M-002: pH: No individual excursion of pH from the range of 6.5 to 8.5 s.u. shall exceed 60 minutes. (Final requirement effective null - null)[All year]

M-002: Chlorine, Total Residual: The total time during which the total chlorine residual values are above 0.1 mg/l shall not exceed 7 hours and 26 minutes in any calendar month. (Final requirement effective null - null)[All year]

M-002: Chlorine, Total Residual: No individual total chlorine residual excursion from 0.1 mg/l shall exceed 30 minutes. (Final requirement effective null - null)[All year]

M-002: Turbidity: The turbidity of the effluent shall not exceed 5 NTU more than 5 percent of the time within any calendar day. (Final requirement effective null - null)[All year]

M-002: Turbidity: The turbidity of the effluent shall not exceed an average of 2 NTU within any calendar day. (Final requirement effective null - null)[All year]

Using Raw Data Tab:

M-001

| | | |
|---|-----------|-----|
| BOD5 @ 20 Deg. C, Percent Removal | 1 / Month | % |
| Total Suspended Solids (TSS), Percent Removal | 1 / Month | % |
| Chronic Toxicity | 1 / Month | TUc |

M-002

| | | |
|---|-----------|-----|
| BOD5 @ 20 Deg. C, Percent Removal | 1 / Month | % |
| Total Suspended Solids (TSS), Percent Removal | 1 / Month | % |
| Chronic Toxicity | 1 / Month | TUc |

Using Pre-Calculated Tab:

M-001: Chloride \leq 35.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for chloride shall not exceed 35 mg/l.

M-001: Chloride \leq 2335.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for chloride shall not exceed 2,335 lbs/day.

M-001: Sodium, Total Recoverable \leq 35.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for sodium shall not exceed 35 mg/l.

M-001: Sodium, Total Recoverable \leq 2335.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for sodium shall not exceed 2,335 lbs/day.

M-001: Sulfate, Total (as SO₄) \leq 64.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for sulfate shall not exceed 64 mg/l.

M-001: Sulfate, Total (as SO₄) \leq 4270.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for sulfate shall not exceed 4,270 lbs/day.

M-001: Total Dissolved Solids (TDS) \leq 400.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for total dissolved solids shall not exceed 400 mg/l.

M-001: Total Dissolved Solids (TDS) \leq 26688.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for total dissolved solids shall not exceed 26,688 lbs/day.

M-001: Hardness, Total (as CaCO₃) \leq 240.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for total hardness shall not exceed 240 mg/l.

M-001: Hardness, Total (as CaCO₃) \leq 16013.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for total hardness shall not exceed 16,013 lbs/day.

M-001: Inorganic Nitrogen, Total \leq 667.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average TIN mass emission rate shall not exceed 667 lbs/day.

M-001: Inorganic Nitrogen, Total \leq 10.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average TIN concentration shall not exceed 10 mg/l.

M-001: Total Dissolved Solids (TDS) \leq 250.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average TDS concentration shall not exceed the 12-month average TDS concentration in the water supply by more than 250 mg/L.

M-002: Chloride \leq 35.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for chloride shall not exceed 35 mg/l.

M-002: Chloride \leq 2335.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for chloride shall not exceed 2,335 lbs/day.

M-002: Sodium, Total Recoverable \leq 35.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for sodium shall not exceed 35 mg/l.

M-002: Sodium, Total Recoverable \leq 2335.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for sodium shall not exceed 2,335 lbs/day.

M-002: Sulfate, Total (as SO₄) \leq 64.0* mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average concentration for sulfate shall not exceed 64 mg/l.

M-002: Sulfate, Total (as SO₄) \leq 4270.0* lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year] The 12-month average mass emission rate for sulfate shall not exceed 4,270 lbs/day.

M-002: Total Dissolved Solids (TDS) ≤ 400.0 mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average concentration for total dissolved solids shall not exceed 400 mg/l.

M-002: Total Dissolved Solids (TDS) ≤ 26688.0 lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average mass emission rate for total dissolved solids shall not exceed 26,688 lbs/day.

M-002: Hardness, Total (as CaCO₃) ≤ 240.0 mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average concentration for total hardness shall not exceed 240 mg/l.

M-002: Hardness, Total (as CaCO₃) ≤ 16013.0 lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average mass emission rate for total hardness shall not exceed 16,013 lbs/day.

M-002: Inorganic Nitrogen, Total ≤ 667.0 lb/day, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Calculate. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average TIN mass emission rate shall not exceed 667 lbs/day.

M-002: Inorganic Nitrogen, Total ≤ 10.0 mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average TIN concentration shall not exceed 10 mg/l.

M-002: Total Dissolved Solids (TDS) ≤ 250.0 mg/L, Limit Basis: Other, Sampling Frequency: 1 / Month, Sampling Type: Composite. (final requirement effective since the beginning of this regulatory measure to the end of this regulatory measure) [All Year]
The 12-month average TDS concentration shall not exceed the 12-month average TDS concentration in the water supply by more than 250 mg/L.